MINERνA OPERATIONS REPORT

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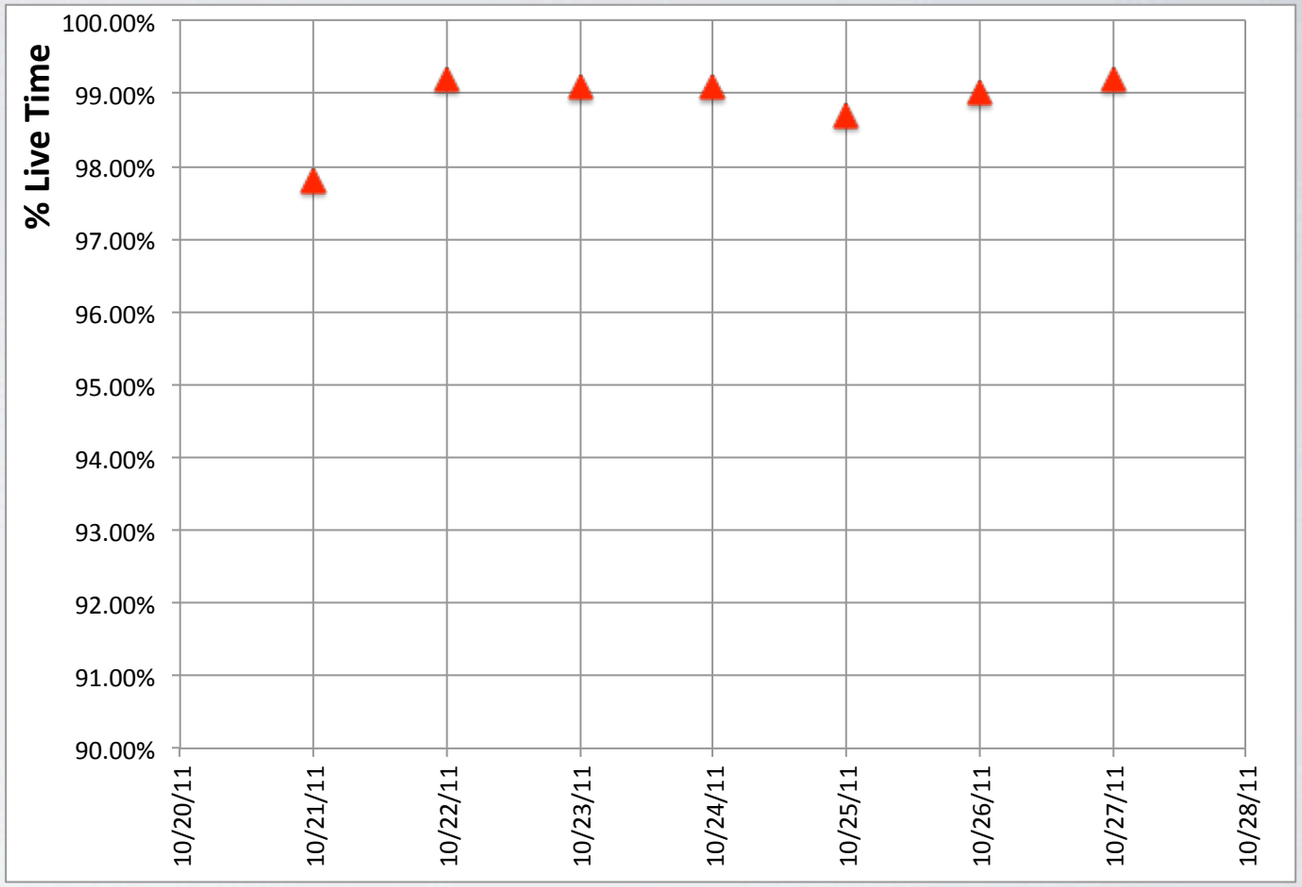
All Experimenters Meeting, Oct. 31, 2011

ν Data

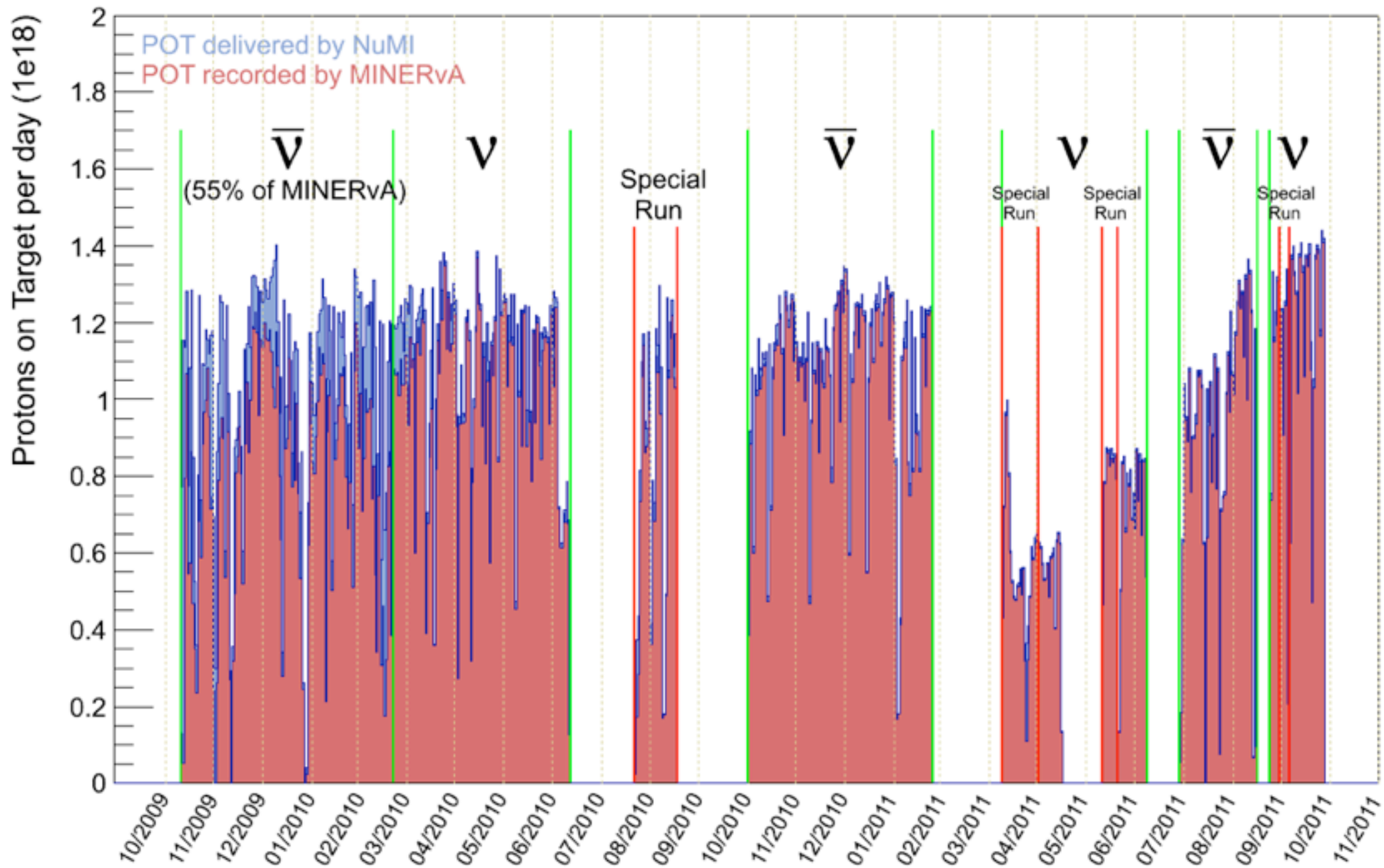
% Live time Oct. 21 - Oct. 27

Date	NuMI Rec. POT	NuMI Del. POT	Live Time
21-Oct-2011	1.03E+18	1.05E+18	97.80%
22-Oct-2011	1.37E+18	1.38E+18	99.20%
23-Oct-2011	1.39E+18	1.40E+18	99.10%
24-Oct-2011	1.38E+18	1.39E+18	99.10%
25-Oct-2011	1.17E+18	1.18E+18	98.70%
26-Oct-2011	1.43E+18	1.44E+18	99.00%
27-Oct-2011	1.41E+18	1.42E+18	99.20%
Total	**9.17E+18**	**9.27E+18**	**98.87%**

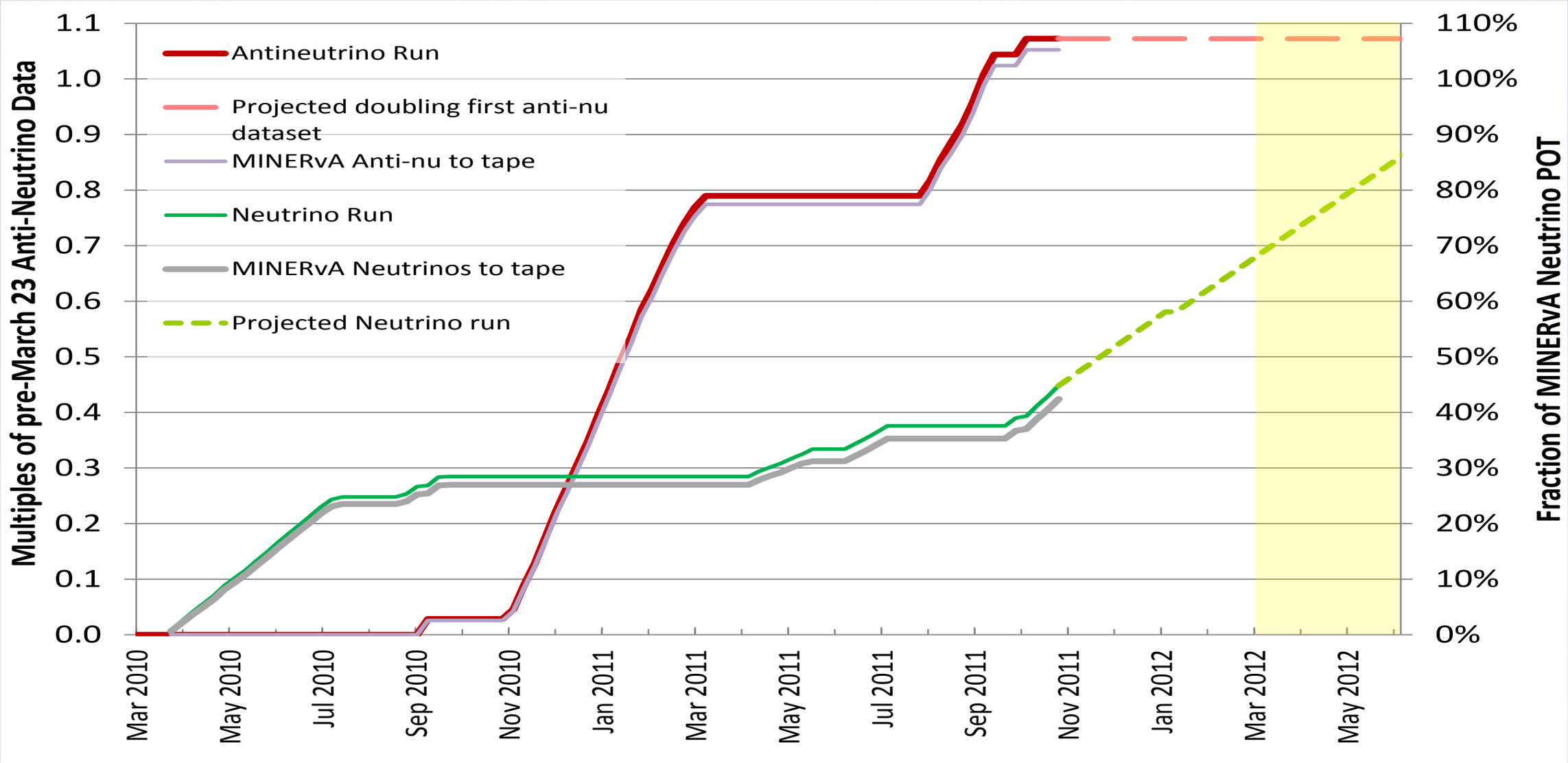


- NuMI: 9.27×10^{18} POT delivered. (Oct. 21- Oct. 27).
- MINERvA: 9.17×10^{18} POT recorded. (Oct. 21 - Oct. 27), ~99% live time.
- Minos: 86.7% live time (Oct. 24 - Oct. 30).
- Currently running on LE10 FHC 185 kA horn current since Oct. 6 (ν mode).
  - 2.74×10^{19} POT for ν, Oct. 6 - Oct. 27, ν with NT-07.
- 4.05×10^{19} POT with NT-07.

MINERνA POT/Day
Nov. 2009 - Present

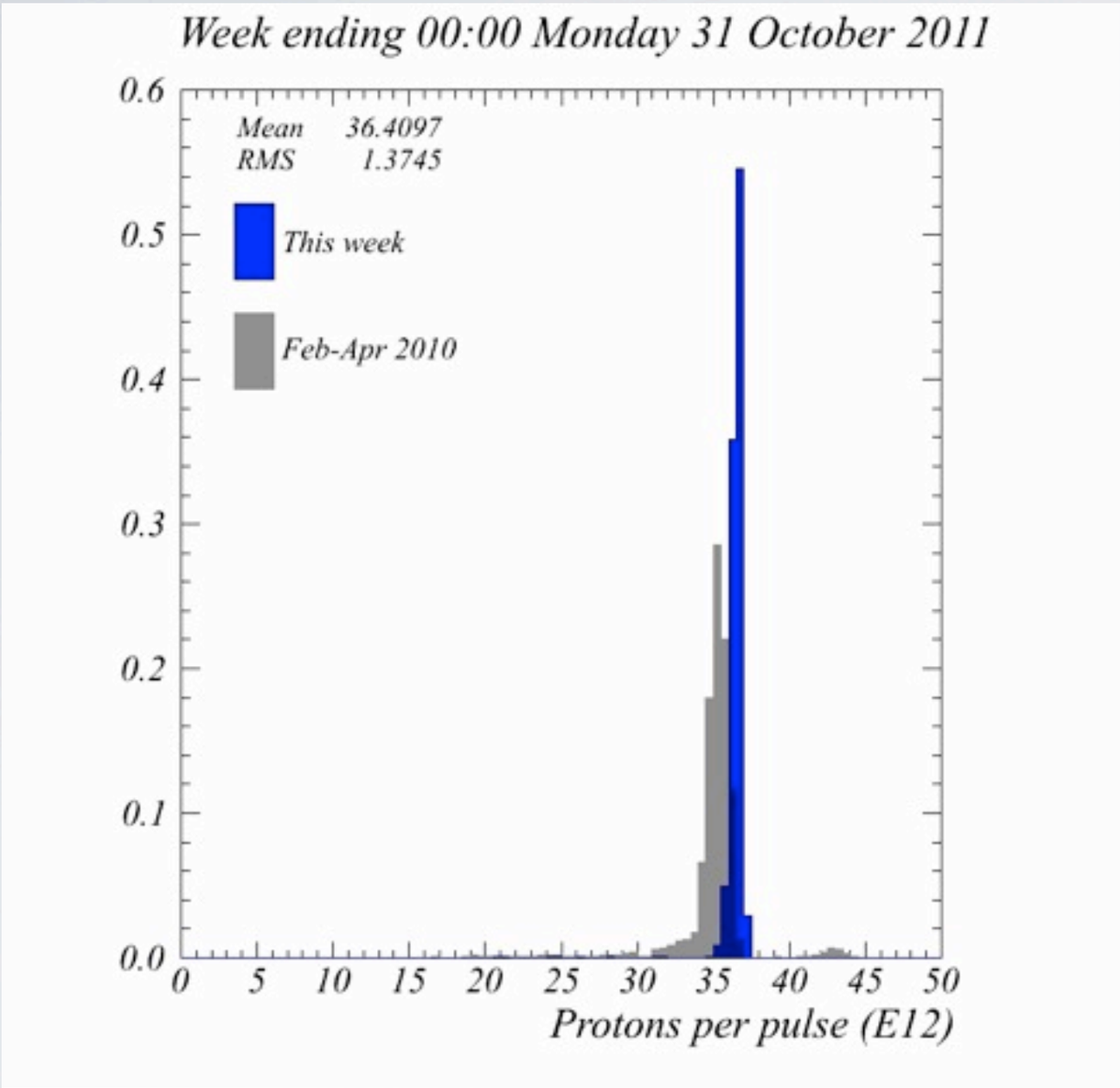


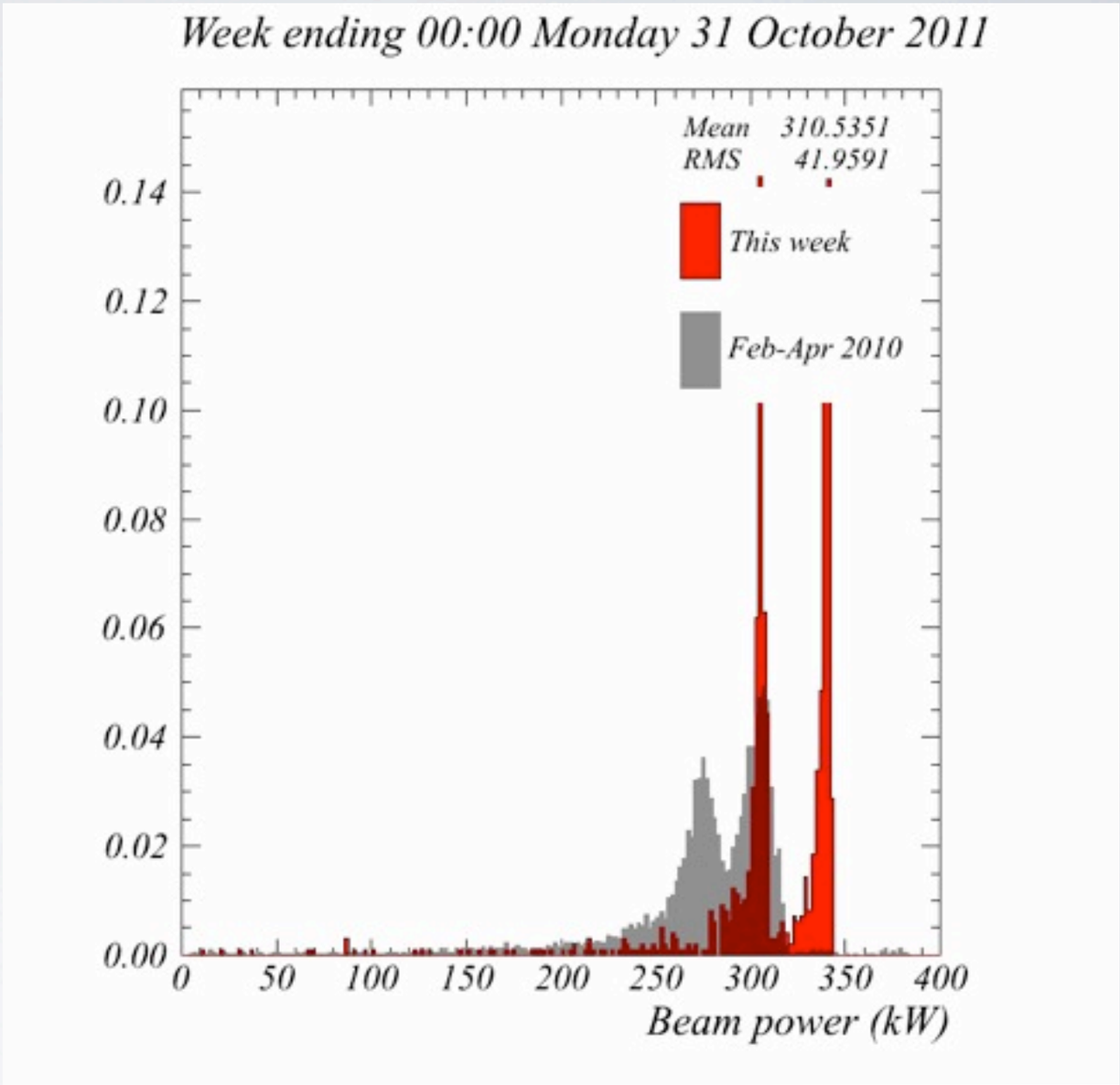
Accumulated POT to Oct. 27



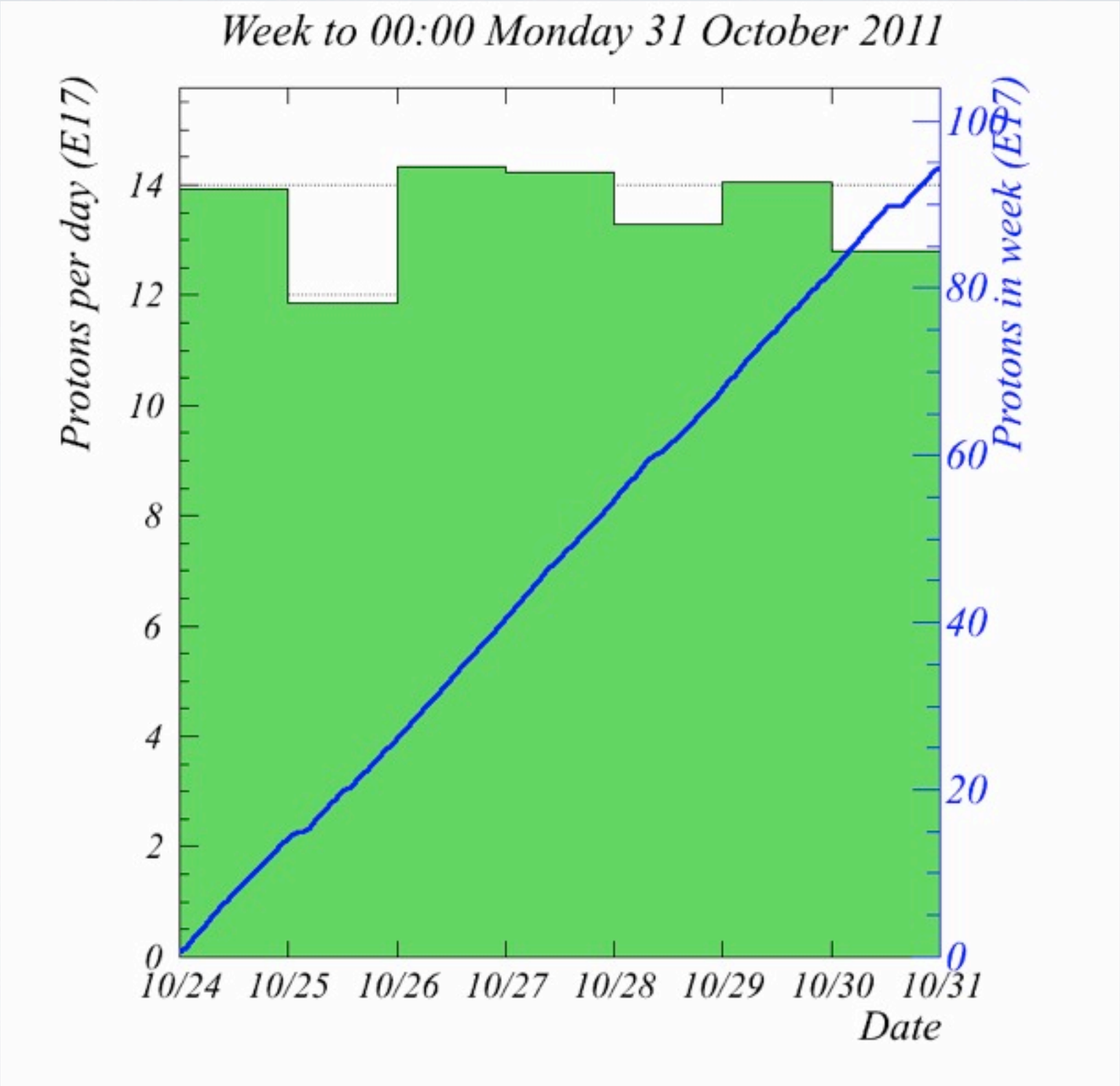
- Anti-ν run, full scale corresponds to 1.76×1020 POT
  - # POT for collected for anti-ν before Mar 23 10, official start of MINERνA ν run
- NT02 running gives enough anti−ν data for doubling of the 1st anti−ν data set.
- Minerva run , full scale corresponds to 4.9×1020 POT.
  - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.92×1018 POT/day.
  - # POTs – average over the uptime during the past 1.5 years.
  - Actual run plan not yet determined, this is one possible scenario.

NuMI Beam Plots

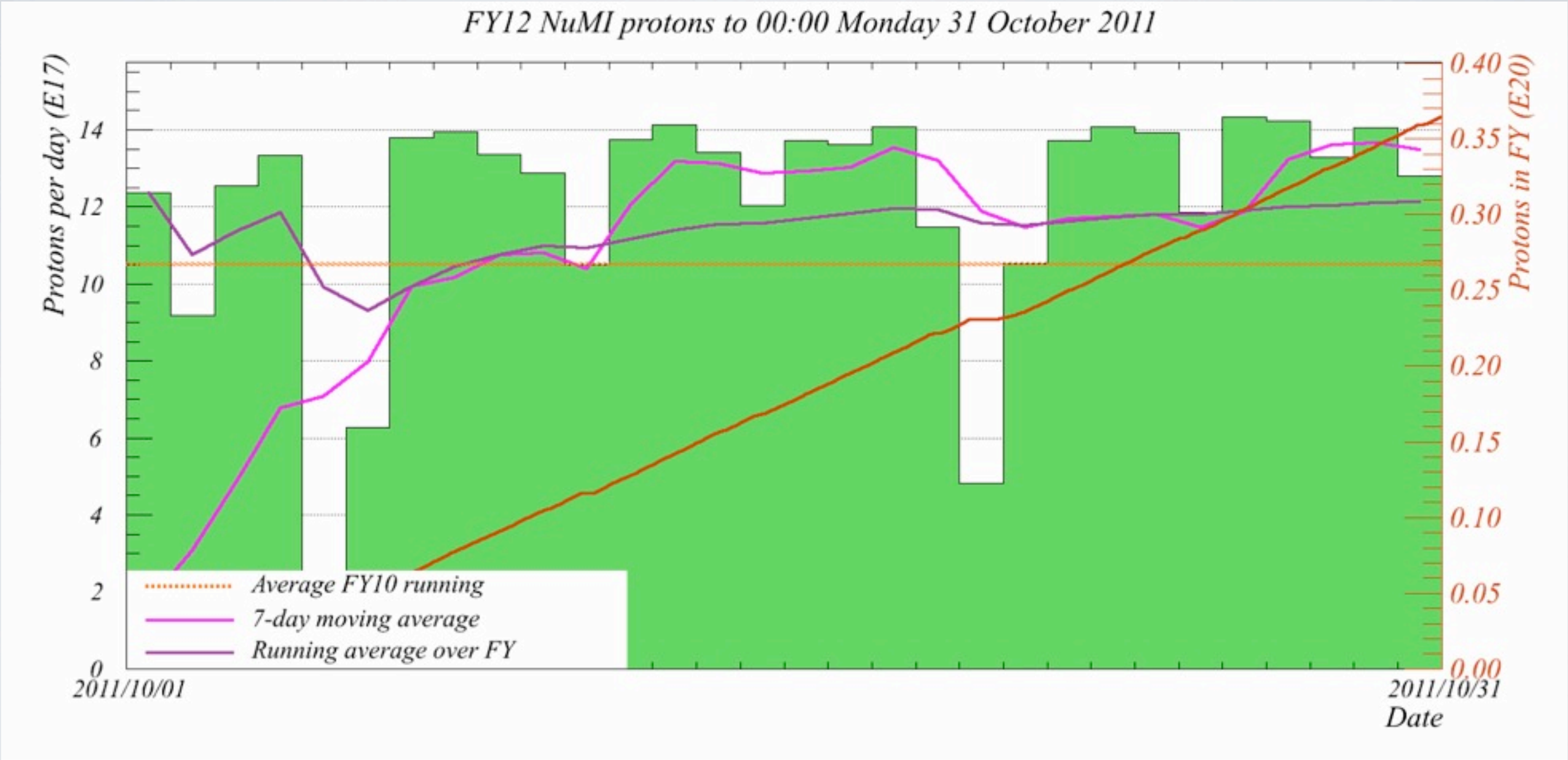
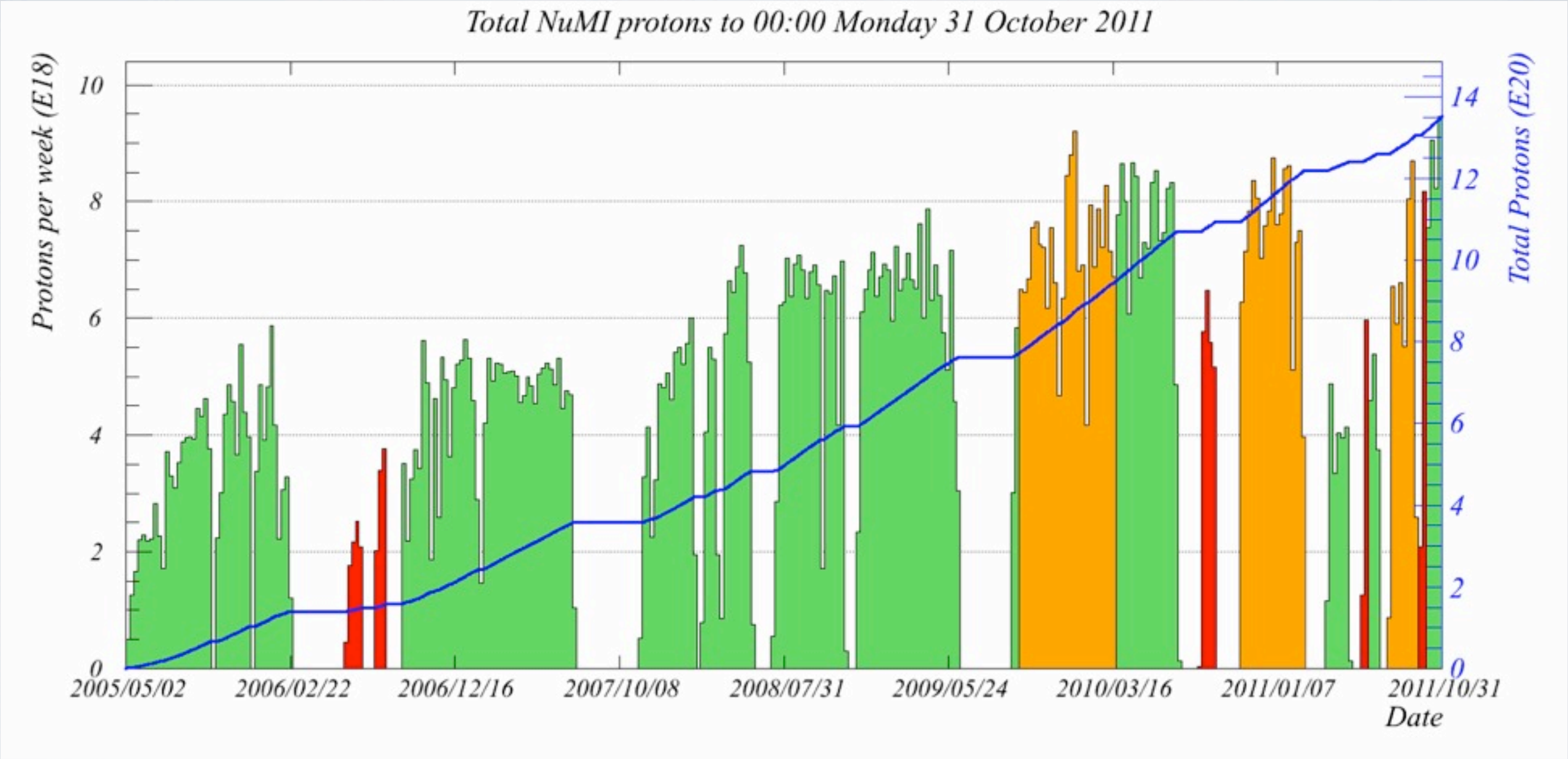




Protons for the Week



FY2011 Protons



NuMI Protons over History